

# **APPARATUS, SYSTEM, AND METHOD FOR DYNAMIC SELECTION OF BEST NETWORK SERVICE**

## **ABSTRACT OF THE DISCLOSURE**

An apparatus, system, and process are disclosed for dynamically determining a best network service for an electronic computing device. A network query module queries two or more active networks to determine the network characteristics, such as bandwidth, security level, and cost, of each network. A service level module determines a service level associated with each active network. The service level is determined based on an algorithm using the network characteristics of each network. A best network module determines the best network from the active networks based on the service levels of each network, and a network connection module dynamically connects the electronic computing device to the best network. The network selection apparatus may also maintain and use a profile module to store default, user-defined, application, and network profiles. A dynamic switching module may dynamically switch between active networks as the service levels of individual networks are re-evaluated and the network characteristics of each network change.

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